ABSTRACT

An image display device according to first to third aspects of the invention has an image display panel, in which two or more groups of particles having different colors and different charge characteristics are sealed between two substrates, at least one of two substrates being transparent, and, in which the particles, to which an electrostatic field produced by a pair of electrodes provided on respective substrates is applied, are made to fly and move so as to display an image. first aspect of the invention, micro-concave portions and/or microconvex portions are provided to a part of or an overall of a surface of the electrode (first embodiment) or micro-cutout holes are provided to a part of or an overall of a surface of the electrode (second embodi-Moreover, in the second aspect of the invention, an insulation member having a volume resistance of not less than 1×10^{12} [$\Omega\cdot cm$] is coated thinly on a surface of the substrate to which the particles are contacted so as to provide a thin insulation film, or, an arithmetic average roughness (Ra) and a concave-convex average distance (Sm) of a surface of the substrate, to which the particles are contacted, satisfy the predetermined formulas. Further, in the third aspect of the invention, an image display state is read-out by detecting a fly/move current produced when the particles are flown and moved in a pixel.